CONTENTS

Number 1

1 Volcanism and sedimentation in part of a Late Archaean rift: the Hartbeesfontein basin, Transvaal, South Africa *W. P. Karpeta*

21 Differential response of a Devonian–Carboniferous platform–deeper basin system to sea-level change and tectonics, N. Chilean Andes *Heinrich Bahlburg and Christoph Breitkreuz*

41 Structural evolution of African basins: stratigraphic synthesis *Dork L. Sahagian*

55 Pseudo-toplap in seismic models of the Schlern–Raibl contact (Sella platform, northern Italy) *Jan Stafleu and Wolfgang Schlager*

67 Book reviews

Number 2

69 Lithospheric flexure as a control on stratal geometry and facies distribution in Upper Cretaceous rocks of the Alberta foreland basin *A. Guy Plint, Bruce S. Hart and W. Steven Donaldson*

79 The interaction between normal faulting and drainage in active extensional basins, with examples from the western United States and central Greece *M. R. Leeder and J. A. Jackson*

103 Architecture and sedimentary facies evolution of a marine, expanding outer-arc half-graben (Crete, late Miocene) *George Postma and Hara Drinia*

125 The timing and extent of illite formation in Ordovician K-bentonites at the Cincinnati Arch, the Nashville Dome and north-eastern Illinois basin *W. Crawford Elliott and James L. Aronson*

Number 3

137 Tectonic controls on base-level variations and depositional sequences within thrust-top and foredeep basins: examples from the Neogene thrust belt of Sicily *Robert W. H. Butler and Mario Grasso*

153 Tectonic evolution of the Alboran Sea basin *A. B. Watts, J. P. Platt and P. Buhl*

179 Geometry of trapezoidal fan deltas and their relationship to extensional faulting along the south-western active margins of the Corinth rift, Greece *G. Poulimenos, A. Zelilidis, N. Kontopoulos and T. Doutsos*

193 Book review

Number 4

195 Basin geodynamics *W. R. Dickinson*

197 Carbonate platforms as recorders of high-amplitude eustatic sea-level fluctuations: the late Albian *appenninica*-event *Jürgen Grötsch, Rolf Schroeder, Sibylle Noé and Erik Flügel*

213 Geothermal field interpretation in south-central Kansas for parts of the Nemaha Anticline and flanking Cherokee and Sedgwick basins *Andrea Förster and Daniel F. Merriam*

235 Sedimentation processes and basin-filling depositional architecture in an active asymmetric graben: Strava graben, Gulf of Corinth, Greece *G. Papatheodorou and G. Ferentinos*

255 Book reviews